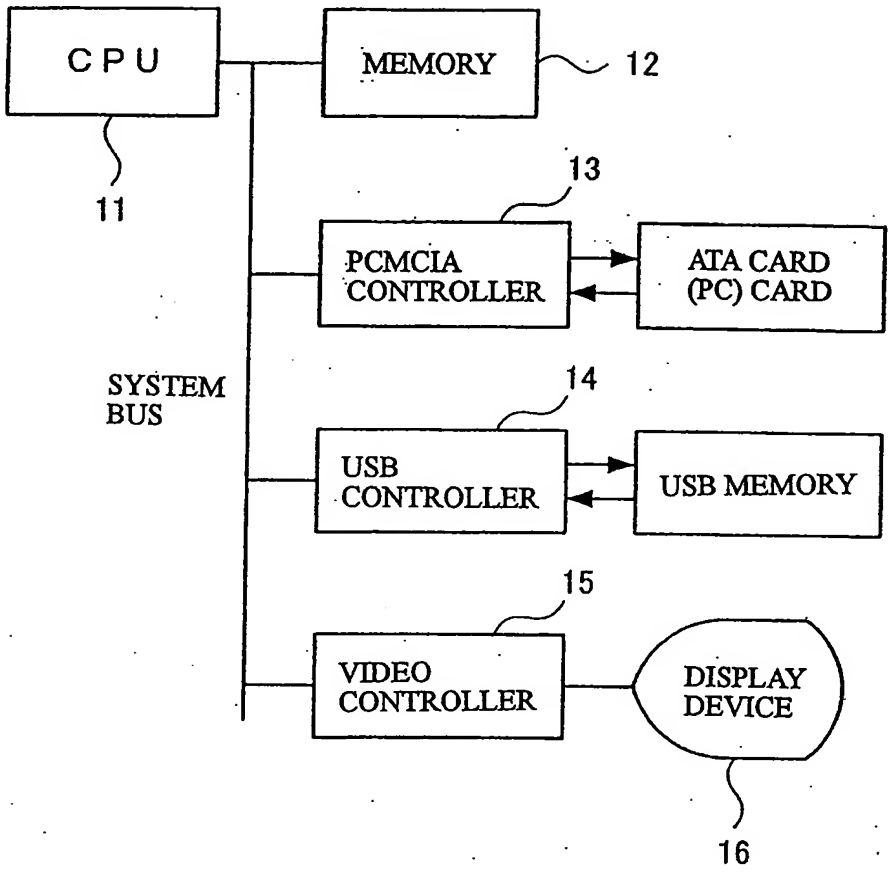
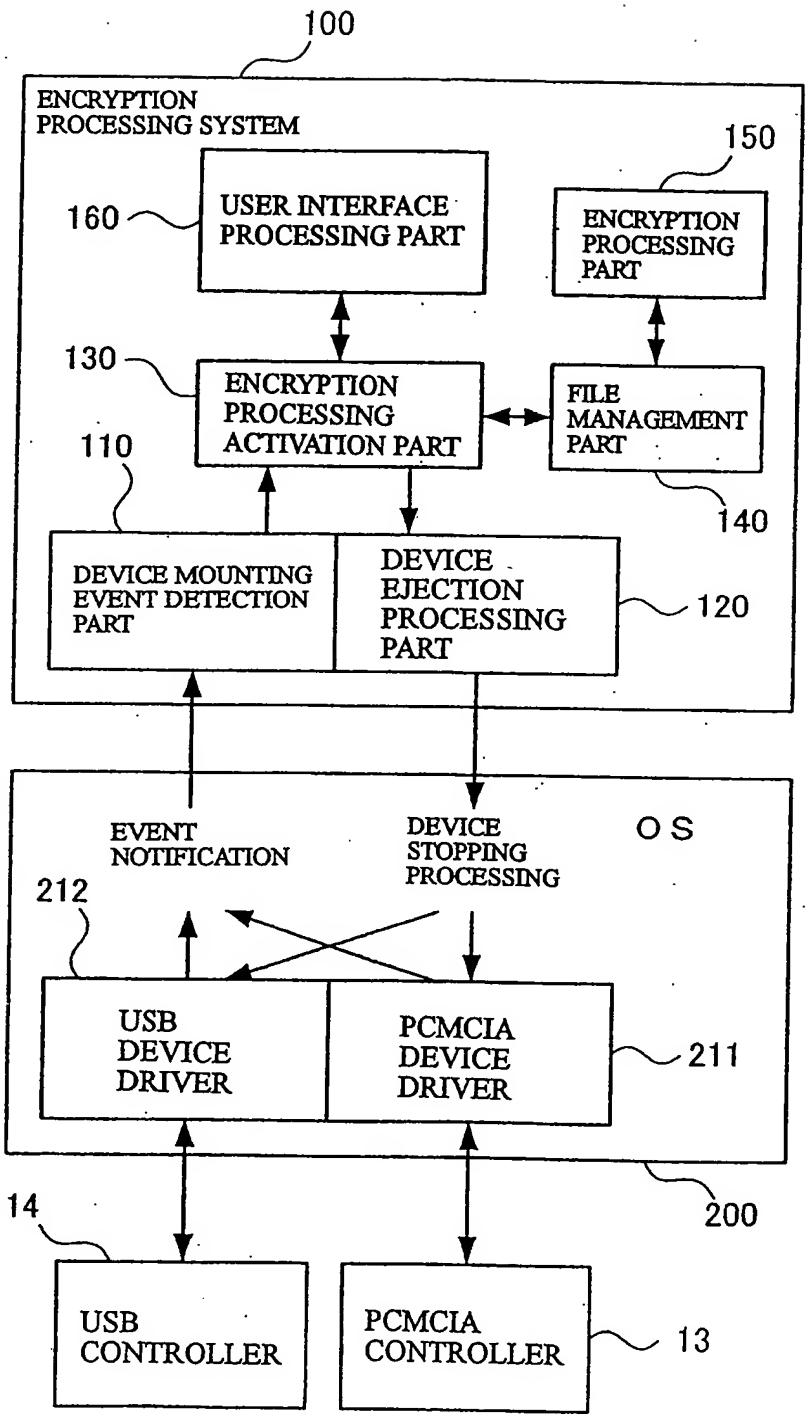
[Document type] Drawing

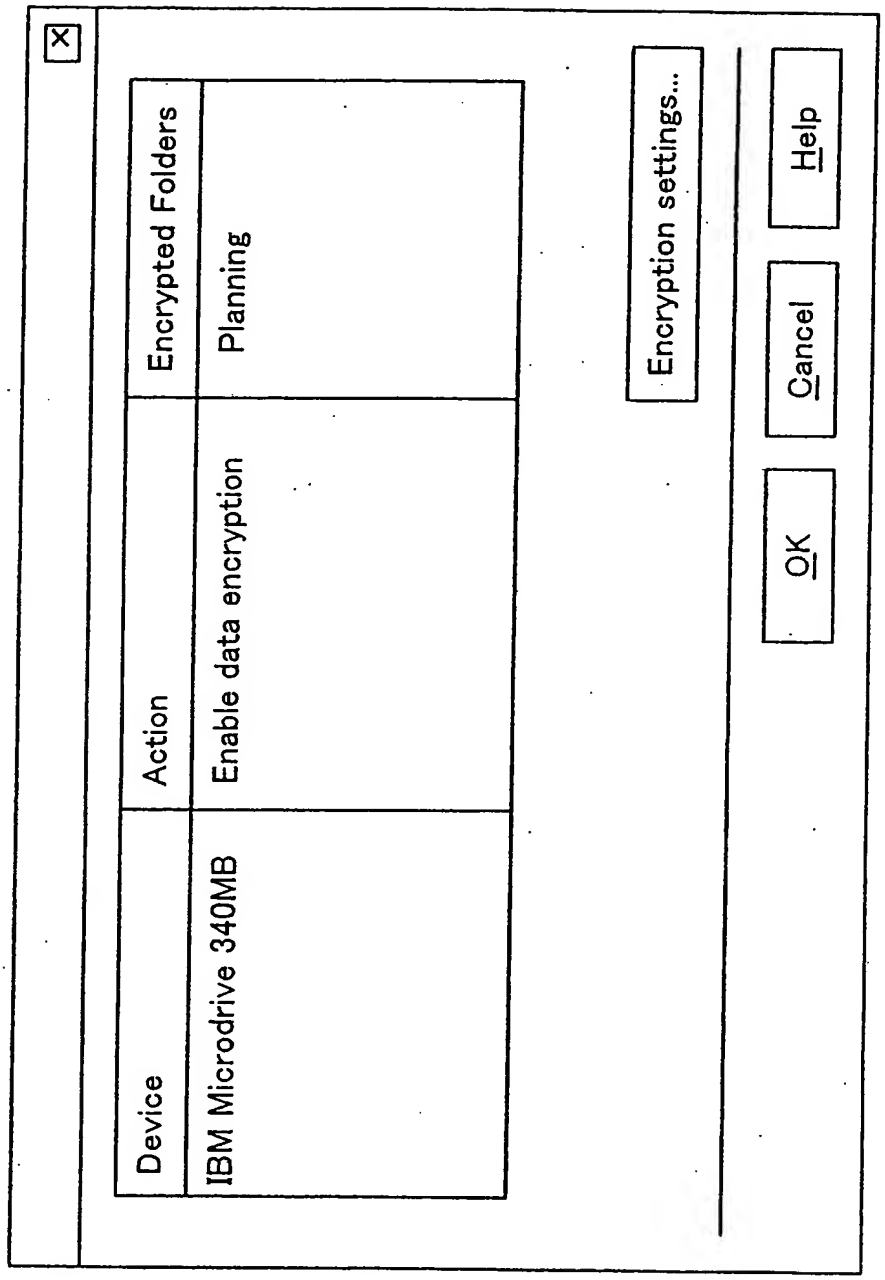
[Figure 1]



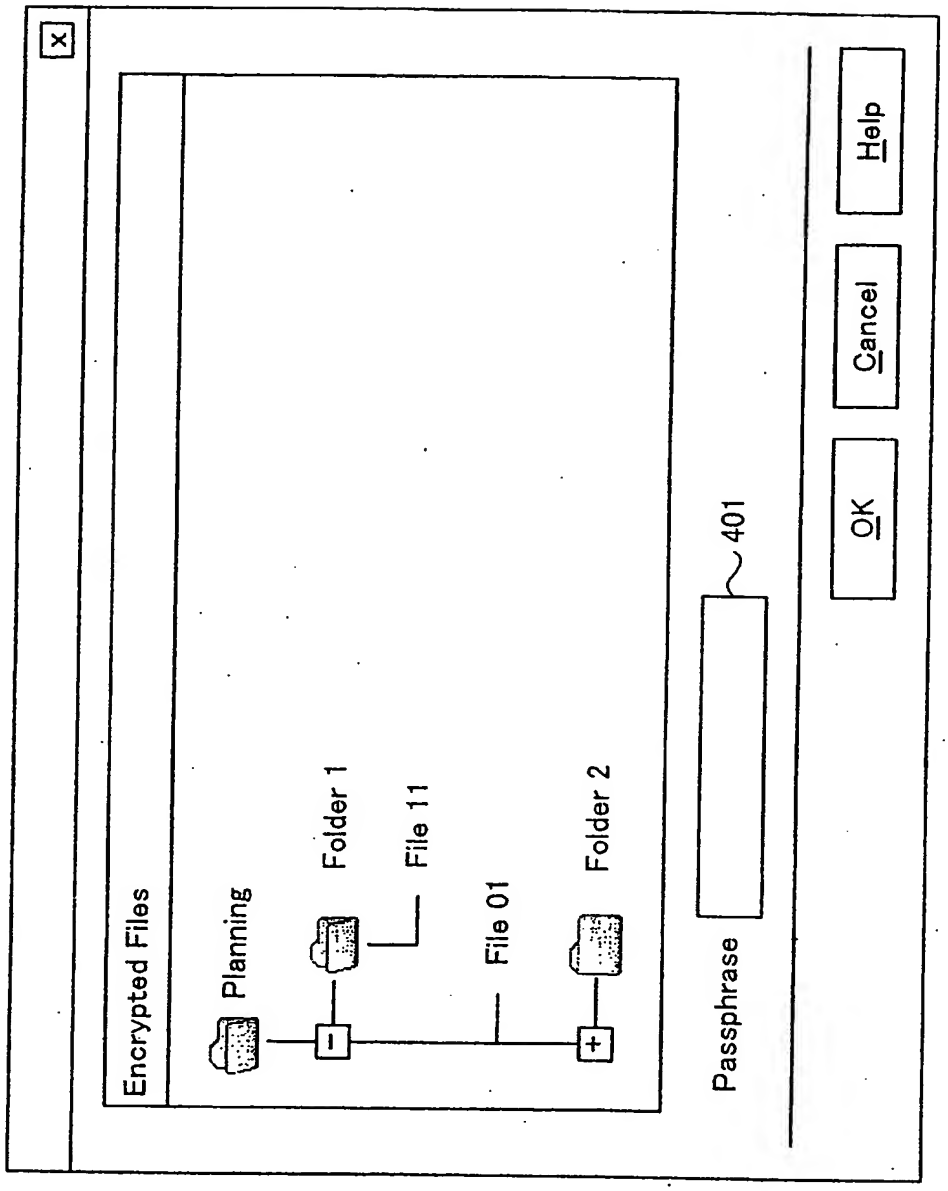
[Figure 2]


100
ENCRYPTION PROCESSING SYSTEM
150
160
USER INTERFACE PROCESSING PART
ENCRYPTION PROCESSING PART
130
ENCRYPTION PROCESSING ACTIVATION PART
FILE MANAGEMENT PART
110
140
DEVICE MOUNTING EVENT DETECTION PART
DEVICE EJECTION PROCESSING PART
120
EVENT NOTIFICATION
DEVICE STOPPING PROCESSING
OS
212
USB DEVICE DRIVER
PCMCIA DEVICE DRIVER
211
200
14
USB CONTROLLER
PCMCIA CONTROLLER
13

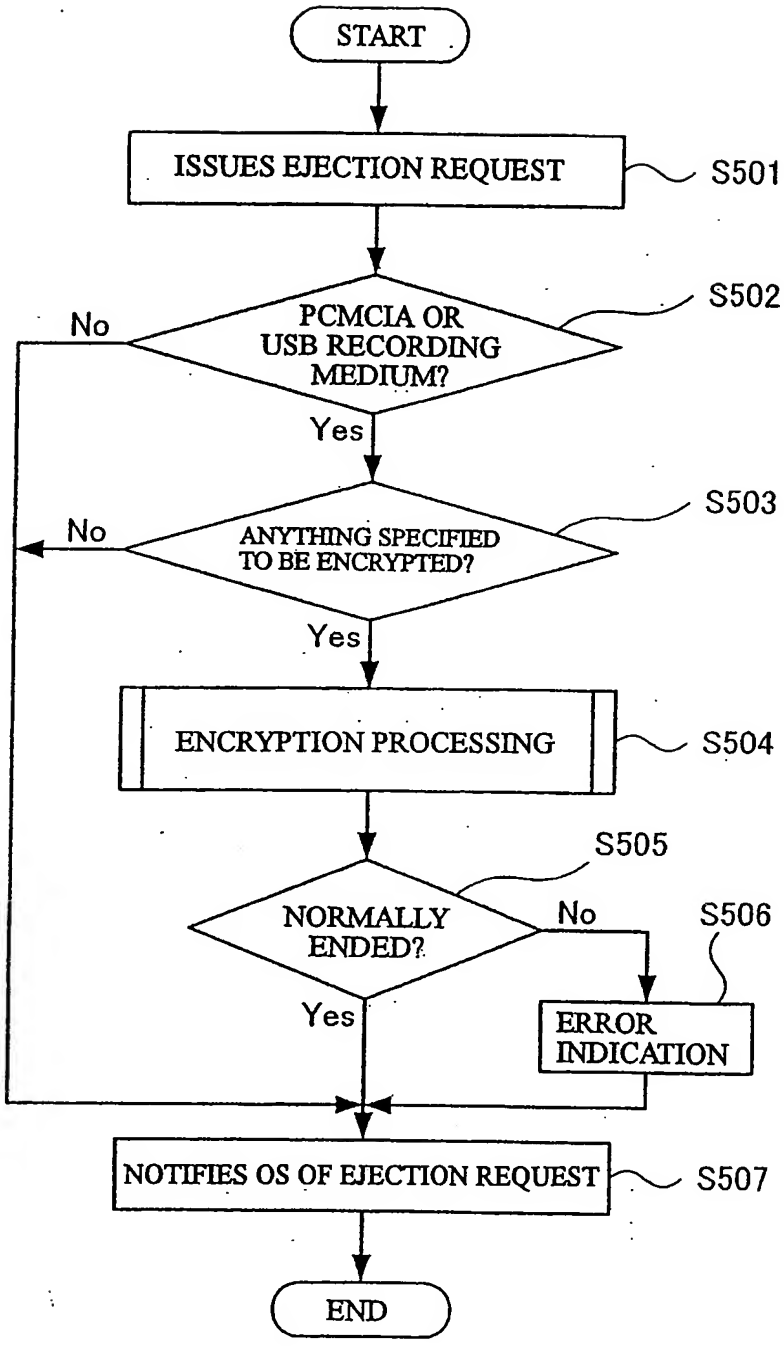
[Figure 3]


Device
Action
Encrypted Folders
IBM Microdrive 340MB
Enable data encryption
Planning
Encryption settings...
OK
Cancel
Help

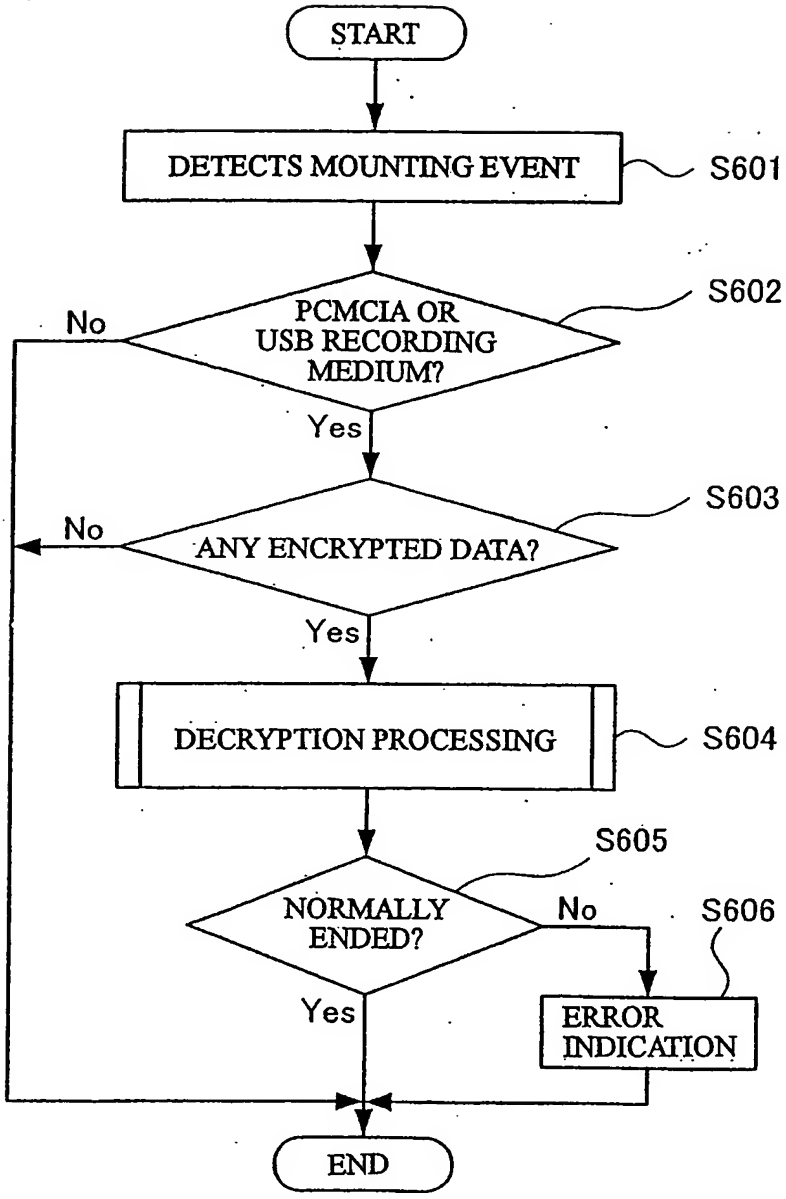
[Figure 4]


Encrypted Files
Planning
Folder 1
File 11
File 01
Folder 2
401
Passphrase
OK
Cancel
Help

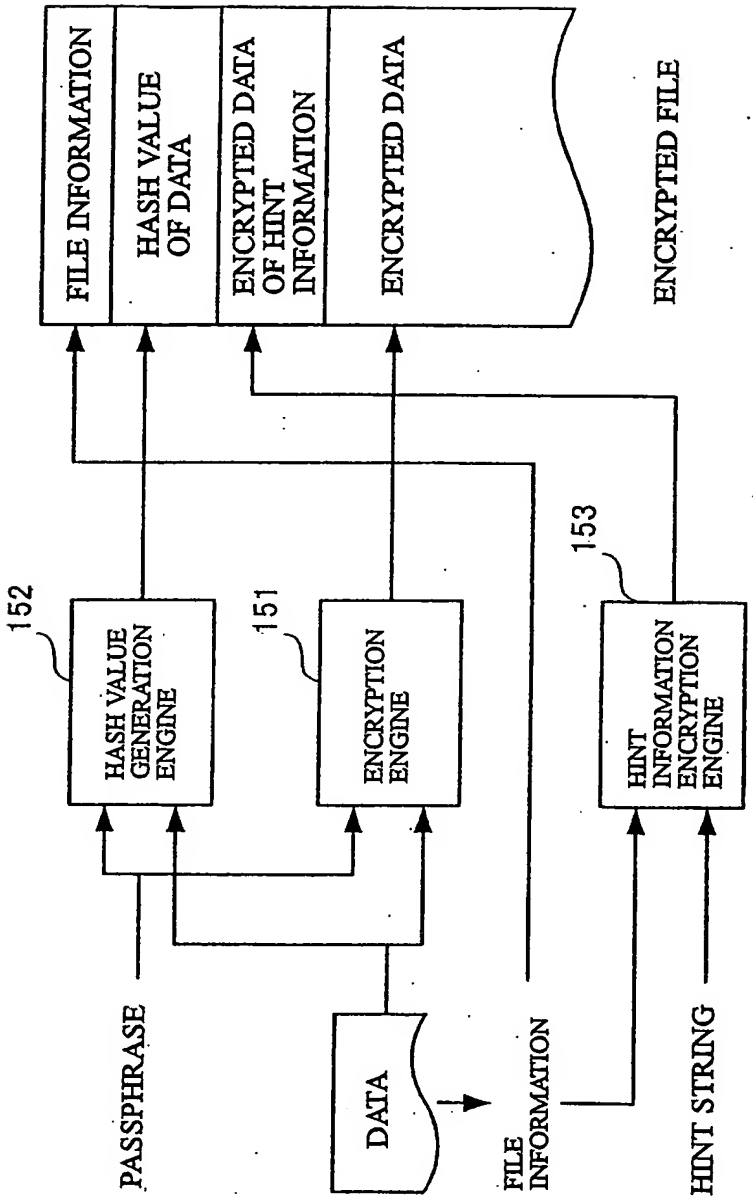
[Figure 5]


START
ISSUES EJECTION REQUEST
S501
PCMCIA OR USB RECORDING MEDIUM?
S502
No
Yes
ANYTHING SPECIFIED TO BE ENCRYPTED?
S503
No
Yes
ENCRYPTION PROCESSING
S504
NORMALLY ENDED?
S505
No
S506
Yes
ERROR INDICATION
NOTIFIES OS OF EJECTION REQUEST
S507
END

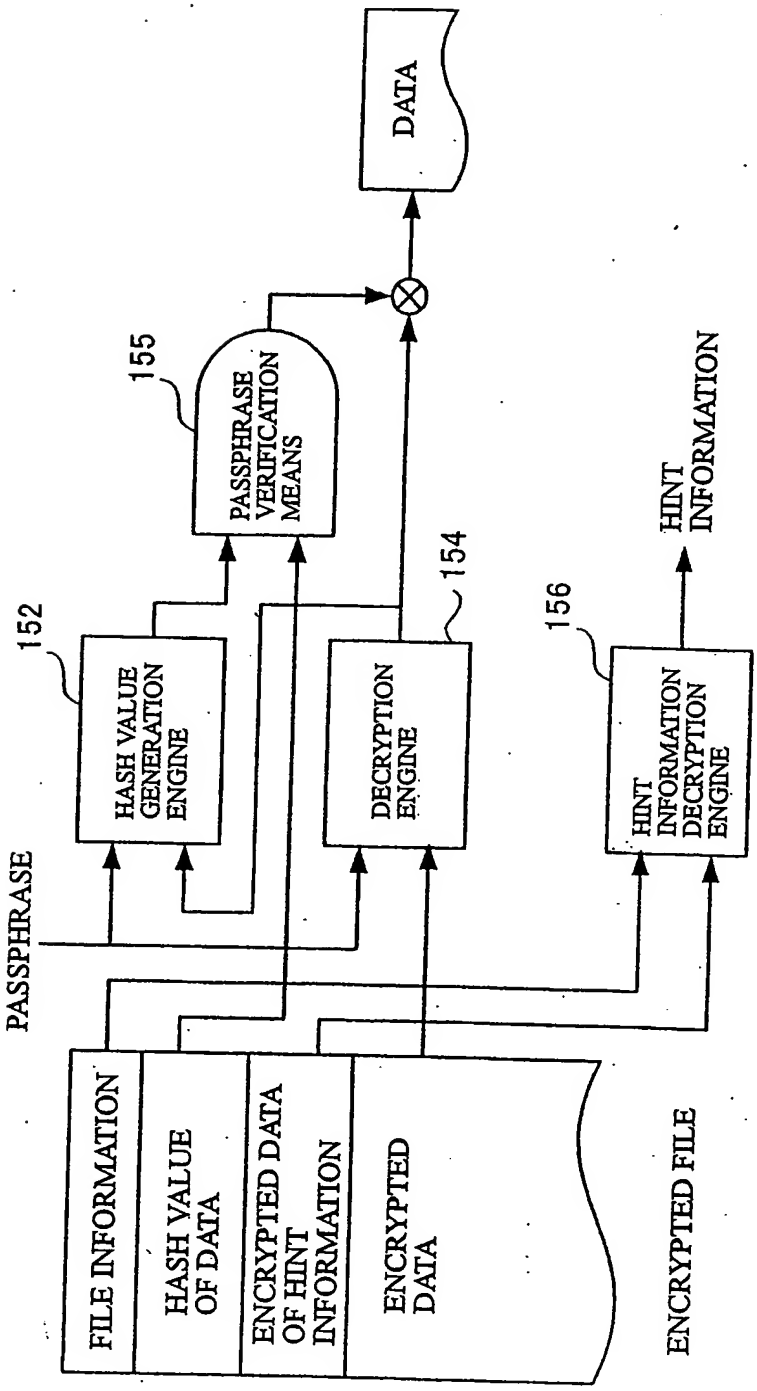
[Figure 6]


START
DETECTS MOUNTING EVENT
S601
PCMCIA OR USB RECORDING MEDIUM?
S602
No
Yes
ANY ENCRYPTED DATA?
S603
No
Yes
DECRYPTION PROCESSING
S604
NORMALLY ENDED?
S605
No
S606
Yes
ERROR INDICATION
END

[Figure 7]


FILE INFORMATION
HASH VALUE OF DATA
ENCRYPTED DATA OF HINT INFORMATION
ENCRYPTED DATA
ENCRYPTED FILE
152
HASH VALUE GENERATION ENGINE
151
ENCRYPTION ENGINE
153
HINT INFORMATION ENCRYPTION ENGINE
PASSPHRASE
DATA
FILE INFORMATION
HINT STRING

[Figure 8]


DATA
155
PASSPHRASE VERIFICATION MEANS
HINT INFORMATION
152
154
156
HASH VALUE GENERATION ENGINE
DECRYPTION ENGINE
HINT INFORMATION DECRYPTION ENGINE
PASSPHRASE
FILE INFORMATION
HASH VALUE OF DATA
ENCRYPTED DATA OF HINT INFORMATION
ENCRYPTED DATA
ENCRYPTED FILE